

**I CLAIM AS MY INVENTION:**

1. A method for storing X-ray image data comprising the steps of:  
producing a series of temporally successive image datasets by pulsed transillumination of an examination subject;  
producing a first image dataset by averaging a first plurality of said temporally successive X-ray image datasets;  
storing said first image dataset;  
producing a second image dataset by averaging a second plurality of said temporally successive X-ray image datasets immediately following said first plurality and allocated to said first image dataset; and  
storing said second image dataset.
2. A method as claimed in claim 1 comprising averaging each of said first and second pluralities of said temporally successive X-ray image datasets by a sliding, weighted averaging.
3. A method as claimed in claim 1 comprising storing each of said first and second image datasets on a hard disk.
4. An X-ray diagnostic installation comprising:  
an X-ray image generating apparatus adapted to interact with an examination subject, said X-ray image generating apparatus emitting X-rays in a pulsed transillumination of the subject to produce a series of temporally successive X-ray image datasets;  
an image processor supplied with said series for producing a first image dataset by averaging a first plurality of said temporally successive X-ray image datasets, and for producing a second image dataset by averaging a second plurality of said temporally successive X-ray image

datasets following said first plurality and allocated to said second image dataset; and

a storage arrangement connected to said image processor in which said first image dataset and said second image dataset are stored.

5. An X-ray diagnostic installation as claimed in claim 4 wherein said image processor produces said first image dataset by a sliding, weighted averaging of said first plurality of said temporally successive X-ray image datasets, and produces said second image dataset by a sliding, weighted averaging of said second plurality of said temporally successive X-ray image datasets.

6. An X-ray diagnostic installation as claimed in claim 4 wherein said storage arrangement comprises a hard disk on which said first image dataset and said second image dataset are stored.